

IN THE DRAWINGS

“Replacement Sheets” are attached which include clean versions of amended Figures 8A, and 8B.

“Annotated Sheets Showing Changes” are also attached which include marked-up versions in red ink of Figures 8A and 8B.

In Figure 8A, in the first column, second row, “PROTABLE” has been changed to --PORTABLE--.

In Figure 8A, in the first column, fourth row, “portable signaling unit 20” has been changed to --remote alarm switch 40--.

In Figure 8A, in the last column, second row, “Cordinates” has been changed to --Coordinates--.

In Figure 8B, in the second column, fifth row, “predetermended” has been changed to --predetermined-- and “present” has been amended to --preset--.

REMARKS

Claims 1 and 2 were previously pending in this application. By this amendment, claim 1 is being amended. In view of the above amendment, it is believed that the pending application is in condition for allowance.

Claims 1 and 2 have been rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 5,797,091 to Clise et al. Without acceding to the rejection, claim 1 has been amended to recite, among other limitations, that the personal security and tracking system comprises a portable signaling unit including a GPS receiver for receiving a GPS signal which includes position information for the portable signaling unit, the portable signaling unit further including a cellular telephone antenna adapted to transmit a cellular digital packet data (CDPD) signal that includes the position information. Claim 1 has also been amended to recite that a central dispatch station includes a computer adapted to determine a location of the portable signaling unit based at least in part on the position information received in the CDPD signal.

As mentioned on page 6, lines 11-13 of the application, one of the many objects and advantages of the present system is to provide a computer system which interprets, validates and stores data received at the central dispatch station. While amended claim 1 does not require the computer at the central dispatch station to include all of these functions, claim 1 does require that the computer be adapted to determine the location of the portable signaling unit based at least in part on the position information received in the CDPD signal.

Clise does not teach or suggest using a computer at a central dispatch station to determine a location of the portable signaling unit based on GPS position information received in a CDPD signal. Clise teaches a personal communicator which provides a communications link that may provide position data to an entity such as a central communications facility. Instead of employing a computer at the central communications facility to determine a location of the portable signaling unit, the system taught in Clise relies on personnel to interpret received data. For example, Clise states that, “[p]ersonnel at the other entity 22 interpret the relayed data and

determine the type of response that is requested.” (Col. 3, lines 24-25). Accordingly, withdrawal of the rejection of claim 1 is respectfully requested.

Moreover, based on the teachings of Clise, it would not have been obvious to one of skill in the art to include, at the central dispatch station, a computer adapted to determine a location of the portable signaling unit based at least in part on GPS position data. Clise repeatedly points out that the personal communicator 10 provides position data that indicates the location of the user, but does not suggest that an “other entity” 22 (such as a private response center or central communications facility) include anything other than personnel to interpret the GPS position data. For example, in col. 3, lines 44-45, Clise points out that “[a] key element of the personal communicator 10 is its ability to provide position data to the other entity 22.” Elsewhere in the specification, Clise states that, “[p]ersonnel at the other entity 22 interpret the relayed data and determine the type of response that is requested” (see col. 3, lines 24-25) and “[t]he personnel at the other entity 22 can provide position data to the authorities...” (see col. 4, lines 58-59).

Clise teaches that the personal communicator 10 may include an audio input circuit to permit a user to enter his or her current location by voice. Additionally, the other entity 22 may have a complex voice recognition system that automatically responds to the user’s voice to generate specific service requests. The use of a voice recognition system to respond to a user’s voice is different from using a computer to determine a location based at least in part on position data received from the GPS system that is present on the personal communicator 10 (see col. 7, lines 52-64). Accordingly, it would not have been obvious to one of skill in the art, based on the teachings of Clise, to include, at the central dispatch station, a computer adapted to determine the location of the personal communicator.

The rejection of claim 2 also is respectfully traversed. The method recited in claim 2 includes, among other limitations, receiving, with a GPS receiver coupled to a portable signaling unit, a GPS signal including position information for the portable signaling unit, and transmitting a CDPD signal that includes the position information. Claim 2 additionally recites determining, with a computer at the central dispatch station, a location of the portable signaling unit based at least in

part on the position information received in the CDPD signal. As discussed above, Clise only teaches that personnel interpret GPS position data at a location remote from a portable communicator, and does not suggest a computer. Accordingly, withdrawal of the rejection of claim 2 is respectfully requested.

It should be noted that in the second paragraph of claim 2, the phrase “from the portable signaling unit” modifies “transmitting”.


The Examiner provisionally rejected claims 1 and 2 under 35 U.S.C. §101 as claiming the same invention as that of claims 1 and of co-pending Application No. 10/600,733. Application No. 10/600,733 is being expressly abandoned on even date with this Response. Accordingly, it is respectfully requested that this provisional rejection be withdrawn.

CONCLUSION

A Notice of Allowance is respectfully requested. The Examiner is requested to call the undersigned at the telephone number listed below if this communication does not place the case in condition for allowance.

If this response is not considered timely filed and if a request for an extension of time is otherwise absent, any necessary extension of time is hereby requested. If there is a fee occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 23/2825.

Respectfully submitted,

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ANNOTATED

8/9

Coordi-
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Situation	Activation Method	Information received, verified, displayed and stored at central dispatch station		
		Unit Serial/ID Number	Alarm Code	Location - Coordinates
INITIATED FROM PORTABLE SIGNALING UNIT: <u>PORTABLE</u>				
1. Person 50 is able to alert the central dispatch station 80 by depressing one of several manual alarm push-button switches on portable signaling unit 20 relating to various health conditions or a threat to personal safety.	Manual alarm push-button switch 24a, 24b, 24c, etc. is depressed on portable signaling unit 20 which activates portable signaling unit 20 to alert central dispatch station 80.	XXXXXX	1A, 1B, 1C, Etc.	XX,XXXX YY,YYY ZZZ
2. Person 50 is able to alert the central dispatch station 80 by depressing one of several manual alarm push-button switches on portable signaling unit 20 relating to various health conditions or a threat to personal safety.	Manual alarm push-button switch 42a, 42b, 42c, etc. is depressed on remote alarm switch unit 40. Radio transmitter 46 sends a unique code to receiver 116, decoded by decoder 118, which activates signaling unit 20 to alert central dispatch station 80. Automatic alarm switch circuit 44 is operated when remote alarm switch clasp is opened, or wristband is cut or broken. Radio transmitter 46 sends a unique code to receiver 116, decoded by decoder circuit 118, which then activates portable signaling unit 20 to alert central dispatch station 80.	XXXXXX	2A, 2B, 2C, Etc.	XX,XXXX YY,YYY ZZZ
3. remote alarm switch unit 40 is forcibly removed from person 50 before he or she is able to summon help.		XXXXXX	3	XX,XXXX YY,YYY ZZZ

FIG. 8A

4. Portable signaling unit 20 is forcibly removed from person 50 before he or she is able to summon help.	Portable signaling unit 20 fails to receive a periodically transmitted signal from remote alarm switch 40 due to separation distance. A uniquely coded signal is normally detected at receiver 116 and decoded by decoder 118. If missing pulse detector 124 fails to be reset by the periodic signal, then microcontroller 106 senses this as an alarm state. Signaling unit 20 is then activated to alert central dispatch station 80.	XXXXXX	4	XX,XXXX YY,YYY ZZZ
5. Low battery condition is sensed in portable signaling unit 20.	Low battery sensor circuit 122 activates portable signaling device 20 to alert the central dispatch center 80 that a low battery condition exists. There will be enough battery power remaining for limited operation.	XXXXXX	5	XX,XXXX YY,YYY ZZZ
INITIATED FROM CENTRAL DISPATCH STATION:				
6. Current location of person is desired. Information is requested by subscriber on an "as needed" basis such as locating a lost person.	Central dispatch station 80 activates portable signaling unit 20 via cellular telephone system 70 for a limited time to determine and display position of portable signaling unit 20.	XXXXXX	6	XX,XXXX YY,YYY ZZZ
7. Person is to be monitored for compliance within preset boundary.	Central dispatch station 80 activates portable signaling unit 20 via cellular telephone system 70 at predetermined time intervals to track position of portable signaling unit 20 within preset boundaries. Alarm is activated at the central dispatch station if boundary limits are violated.	XXXXXX	6	XX,XXXX YY,YYY ZZZ
8. Spot check to insure system is working and to compile historical data.	Central dispatch station activates portable signaling unit 20 via cellular telephone system 70 at predetermined time intervals. Central dispatch station 80 alarm is activated if there is no response or invalid data is received.	XXXXXX	6	XX,XXXX YY,YYY ZZZ

FIG. 8B